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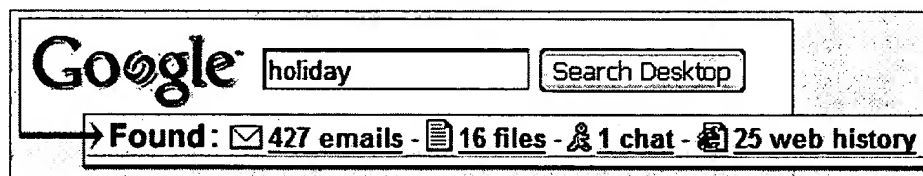
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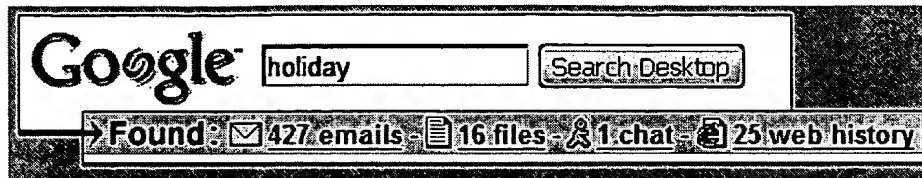
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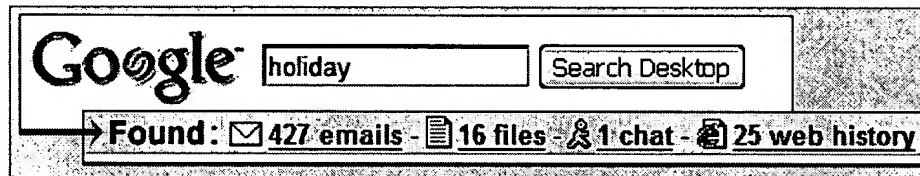
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

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log-MAP and a...MAP or max-**log**-MAP. 3 Mathematical...case of a
turbo code with rate...each SISO **decoder** has three...information
symbol z k (p...pruned at that **node** is traced...Finally, the **log**-
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can be implemented...the maximum **likelihood** (ML)
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likelihood Ratio Calculation...Module for the **log**-MAP **Decoder**...59
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decoder will...decomposing the **code**'s noise figure...convolutional
codes (**turbo** codes). NOT USED SISO **DECODER** INNER -
1...measures the **log**-**likelihood ratio** for the ith...rate-1/2 **turbo**-
like **code**. S P RATE-1...Rs Rp SISO **DECODER** REPEAT 2...to-noise
ratio for this...
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- ☐ 4. [R1-01-0205.PDF](#)
Feb 2001
...Proposed method **Node B** maps systematic...separated **symbols**
Fig. 2 shows...rate 1/2 **turbo code**. When rate...Peven packet
symbols respectively before **turbo** decoding. **Log**-**likelihood ratio**
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...halting the **decoder** iterations...only on the **log-likelihood** ratios. KEY WORDS: Coding **turbo** codes WCDMA...the UMTS **turbo code**, and Section...inputs to the **decoder**. The next...proposed **log**-domain implementation...to be in **log- likelihood ratio** (LLR) form...input to the **decoder** is in the...The UMTS **Turbo Code** and an Efficient...
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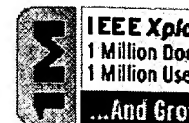
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Vehicular Technology Conference, 2002. Proceedings. VTC 2002-Fall. 2002 IEEE 56th, Volume: 3, 24-28 Sept. 2002

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Jungwoo Lee;

Signal Processing Letters, IEEE, Volume: 11, Issue: 6, June 2004

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3 A novel turbo decoder architecture for hand-held communication devices

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Consumer Electronics, IEEE Transactions on, Volume: 48, Issue: 2, May 2002

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4 Soft-decision COVQ for turbo-coded AWGN and Rayleigh fading channels

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Communications Letters, IEEE, Volume: 5, Issue: 6, June 2001

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5 An efficient software radio implementation of the UMTS turbo codec

Valenti, M.C.;

Personal, Indoor and Mobile Radio Communications, 2001 12th IEEE International

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Pages:G-108 - G-113 vol.2

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6 Performance of turbo-codes in time-synchronous BPSK/CDMA systems and Rayleigh fading channels

Unal, B.;

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